

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Under 37 CFR 1.97(b), (c), or (d)			Docket No. 8703/CMP/CMP/RKK	
In re Application of: Manens, A. JAN 10 2005				
Serial No. 10/727,774	Filing Date 12/03/2003	Examiner	Group Art Unit	
Title: PROCESSING PAD ASSEMBLY WITH ZONE CONTROL				
Address to: Commissioner for Patents Alexandria, VA 22313-1450				

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), but prior to the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by the statement or fee as indicated below.

37 CFR 1.97(d)

3. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), but on or before payment of the issue fee and is accompanied by the statement and fee as indicated below.

Required Statements and/or Fees Under 37 CFR 1.97(c) or (d)

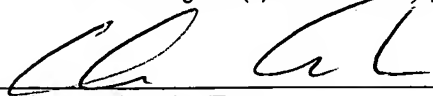
☐ Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(1))

☐ No item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(2))

☐ The fee set forth in 37 CFR 1.17(p). Please credit any overpayment or charge any insufficiencies to deposit account number 20-0782.

37 CFR §1.704(d)

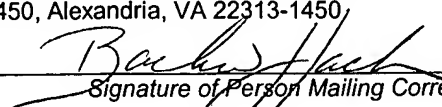
4. ☐ Each item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.


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Dated: Jan 5, 2005

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I certify that this document is being deposited on 1-6-2005 with the U.S. Postal Service as first class mail under 37 CFR §1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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JAN 10 2005

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

8

Application Number

10/727,774

Filing Date

December 3, 2003

First Named Inventor

Manens, A.

Group Art Unit

Examiner Name

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-3,162,588	12/22/1964	Bell	
	A2	US-3,448,023	6/3/1969	Bell	
	A3	US-3,873,512	3/25/1975	Latanision	
	A4	US-3,942,959	3/9/1976	Markoo, et al.	
	A5	US-3,992,178	11/16/1976	Markoo, et al.	
	A6	US-4,125,444	11/14/1978	Inoue	
	A7	US-4,713,149	12/15/1987	Hoshino	
	A8	US-4,793,895	12/27/1988	Kaanta, et al.	
	A9	US-4,839,005	6/13/1989	Katsumoto et al.	
	A10	US-4,839,993	6/20/1989	Masuko, et al.	
	A11	US-4,934,102	6/19/1990	Leach, et al	
	A12	US-4,954,141	9/4/1990	Takiyama et al.	
	A13	US-4,956,056	9/11/1990	Zubatova, et al	
	A14	US-5,061,294	10/29/1991	Harmer, et al.	
	A15	US-5,108,463	4/28/1992	Buchanan	
	A16	US-5,136,817	8/11/1992	Tabata, et al.	
	A17	US-5,217,586	6/8/1993	Datta, et al	
	A18	US-5,225,034	7/6/1993	Yu, et al	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP- 0 325 753	8/2/1989	International Business Machines		
	B2	EP-0 455 455	4/29/1991	American Telephone & Telegraph Co.		
	B3	JP-11-042554	2/16/1999	NEC Corp		Abst
	B4	JP-2001-77117	3/23/2001	Sony Corp.		Tran
	B5	WO-2000-03426	1/20/2000	ACM Research		

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Sheet 2

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Application Number

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First Named Inventor

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Group Art Unit

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		Number-Kind Code ² (if known)			
	A19	US-5,534,106	7/9/1996	Cote, et al	
	A20	US-5,543,032	8/6/1996	Datta, et al	
	A21	US-5,562,529	10/8/1996	Kishii, et al.	
	A22	US-5,567,300	10/22/1996	Datta, et al	
	A23	US-5,575,706	11/19/1996	Tsai, et al	
	A24	US-5,578,362	11/26/1996	Reinhardt et al.	
	A25	US-5,624,300	4/29/1997	Kishii, et al.	
	A26	US-5,637,031	6/10/1997	Chen	
	A27	US-5,738,574	4/14/1998	Tolles, et al.	
	A28	US-5,804,507	9/8/1998	Perlov, et al.	
	A29	US-5,807,165	9/15/1998	Uzoh, et al	
	A30	US-5,823,854	10/20/1998	Chen	
	A31	US-5,846,882	12/8/1998	Birang	
	A32	US-5,871,392	2/16/1999	Meikle et al.	
	A33	US-5,893,796	4/13/1999	Birang et al.	
	A34	US-5,911,619	6/15/1999	Uzoh, et al	
	A35	US-5,931,719	8/3/1999	Nagahara et al.	
	A36	US-5,938,801	8/17/1999	Robinson	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B6	WO-2000-26443	5/11/2000	Nu Tools, Inc.		
	B7	WO-2000-33356	6/8/2000	ACM Research		
	B8	WO-2000-59682	10/12/2000	Nu Tools, Inc.		
	B9	WO-2001-13416	2/22/2001	Nu Tools, Inc.		
	B10	WO-2001-49452	7/12/2001	Advanced Micro Devices		

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Date Considered

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Sheet 3

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Application Number

10/727,774

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First Named Inventor

Manens, A.

Group Art Unit

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		Number-Kind Code ² (if known)			
	A37	US-5,985,093	11/16/1999	Chen	
	A38	US-6,001,008	12/14/1999	Fujimori, et al.	
	A39	US-6,004,880	12/21/1999	Liu, et al	
	A40	US-6,010,395	1/4/2000	Nakajima	
	A41	US-6,017,265	1/25/2000	Cook et al.	
	A42	US-6,020,264	2/1/2000	Lustig, et al.	
	A43	US-6,024,630	2/15/2000	Shendon, et al.	
	A44	US-6,066,030	5/23/2000	Uzoh	
	A45	US-6,074,284	6/13/2000	Tani, et al.	
	A46	US-6,090,239	7/18/2000	Liu, et al	
	A47	US-6,103,096	8/15/2000	Datta, et al	
	A48	US-6,116,998	9/12/2000	Damgaard, et al.	
	A49	US-6,153,043	11/28/2000	Edelstein, et al.	
	A50	US-6,156,124	12/5/2000	Tobin	
	A51	US-6,159,079	12/12/2000	Zuniga, et al.	
	A52	US-6,171,467	1/9/2001	Weihs et al.	
	A53	US-6,176,992	1/23/2001	Talieh	
	A54	US-6,183,354	2/6/2001	Zuniga, et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B11	WO-2001-52307	7/19/2001	Nu Tools, Inc.		
	B12	WO-2001-63018	8/30/2001	Nu Tools, Inc.		
	B13	WO-2001-71066	9/27/2001	Nu Tools, Inc.		
	B14	WO-2001-88229	11/22/2001	ACM Research		
	B15	WO-2001-88954	11/22/2001	Nu Tools, Inc.		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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10/727,774

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Group Art Unit

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		Number-Kind Code ² (if known)			
	A55	US-6,190,494	2/20/2001	Dow	
	A56	US-6,210,257	4/3/2001	Carlson	
	A57	US-6,234,870	5/22/2001	Uzoh, et al	
	A58	US-6,238,271	5/29/2001	Cesna	
	A59	US-6,244,935	6/12/2001	Birang, et al.	
	A60	US-6,248,222	6/19/2001	Wang	
	A61	US-6,273,798	8/14/2001	Berman	
	A62	US-6,297,159	10/2/2001	Paton	
	A63	US-6,319,420	11/20/2001	Dow	
	A64	US-6,328,872	12/11/2001	Talieh, et al.	
	A65	US-6,368,184	4/9/2002	Beckage	
	A66	US-6,381,169	4/30/2002	Bocian, et al.	
	A67	US-6,386,956	5/14/2002	Sato, et al.	
	A68	US-6,391,166	5/21/2002	Wang	
	A69	US-6,395,152	5/28/2002	Wang	
	A70	US-6,402,591	6/11/2002	Thornton	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B16	WO-2002-064314	8/22/2002	Speedfam-IPEC Corp		
	B17	WO-2002-23616	3/21/2002	ACM Research		
	B18	WO-1998-49723	11/5/1998	3M Comp.		
	B19	WO-1999-41434	8/19/1999	ACM Research		
	B20	WO-1999-53119	10/21/1999	ACM Research		

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		Number-Kind Code ² (if known)			
	A73	US-6,409,904	6/25/2002	Uzoh, et al.	
	A74	US-6,431,968	8/13/2002	Chen, et al.	
	A75	US-6,440,295	8/27/2002	Wang	
	A76	US-6,447,668	9/10/2002	Wang	
	A77	US-6,471,847	10/29/2002	Talieh, et al.	
	A78	US-6,479,962	11/12/2002	Ziemkowski, et al.	
	A79	US-6,482,307	11/19/2002	Ashjaee et al.	
	A80	US-6,497,800	12/24/2002	Talieh et al.	
	A81	US-6,537,144	3/25/2003	Tsai, et al.	
	A82	US-6,630,059	10/7/2003	Uzoh, et al.	
	A83	US-6,638,863	10/28/2003	Wang et al.	
	A84	US-6,666,959	12/23/2003	Uzoh, et al.	
	A85	US-6,726,823	4/27/2004	Wang et al.	
	A86	US-6,736,952	5/18/2004	Emesh	
	A87	US-6,739,951	5/25/2004	Sun et al.	
	A88	US-2001/0005667	6/28/2001	Tolles et al.	
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	A90	US-2001/0035354	11/1/2001	Ashjaee, et al.	

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	B21	WO -2003-001581	1/3/2003	Micron Technology		
	B22					
	B23					
	B24					
	B25					

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 6

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	A91	US-2001/0036746	11/1/2001	Sato et al.	
	A92	US-2001/0040100	11/15/2001	Wang	
	A93	US-2001/0042690	11/22/2001	Talieh	
	A94	US-2002/0008036	1/24/2002	Wang	
	A95	US-2002/0011417	1/31/2002	Talieh, et al.	
	A96	US-2002/0020621	2/21/2002	Uzoh, et al.	
	A97	US-2002/0025760	2/28/2002	LEE, ET AL.	
	A98	US-2002/0025763	2/28/2002	Lee	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B26					
	B27					
	B28					
	B29					
	B30					

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

7

of

8

Application Number

10/727,774

Filing Date

December 3, 2003

First Named Inventor

Manens, A.

Group Art Unit

Examiner Name

Attorney Docket Number

8703/CMP/CMP/RKK

Submission Date

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
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	A111	US-			
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	A120	US-			
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	A122	US-			
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B31					
	B32					
	B33					
	B34					
	B35					

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/727,774
		Filing Date	December 3, 2003
		First Named Inventor	Manens, A.
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	8703/CMP/CMP/RKK
Sheet 8	of 8	Submission Date	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	Contolini "Electrochemical Planarization of ULSI Copper," <u>Solid State Technology</u> ; vol 40, no. 6, June 1, 1997, pp. 155-156, 158, 160, 162	
	C2	Nogami "An Innovation to Integrate Porous Low-K Materials and Copper", <u>InterConnect Japan 2001</u> ; Honeywell Seminar (December 6, 2001); PP. 1 – 12	

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